

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- ~~101-20560-A~~ 205600001

County LANE

 - NW - SW - SE Sec. 34 Twp. 18S Rge. 29 X E

990 Feet from S (circle one) Line of Section

330 Feet from 10 (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 , , , SW (circle one)

Lease Name MCWHIRTER "OWWO" Well # #1 SWD

Field Name MCWHIRTER, SOUTH

DISPOSAL
Producing Formation CEDAR HILLS (SWD)

Elevation: Ground 2817 KB 2823

Total Depth 2185 PBDT 2148

Amount of Surface Pipe Set and Cemented at PREV SET Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from 2179

feet depth to SURF w/ 375 sx cmt.

Drilling Fluid Management Plan REENTRY 97 1-21-97
(Data must be collected from the Reserve Pit) All 2

Chloride content 3000 ppm Fluid Volume 2400 bbls

Dewatering method used ALLOWED TO DRY

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name

 Quarter Sec. Twp. Rng. W

County Docket No.

Operator: License # 3842

LARSON OPERATING COMPANY

Name: A DIVISION OF LARSON ENGINEERING, INC.

Address 562 WEST HIGHWAY 4

City/State/Zip OLMITZ, KS 67564-8561

Purchaser: N/A

Operator Contact Person: TOM LARSON

Phone (316) 653-7368

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: None

Designate Type of Completion
 New Well XXX Re-Entry Workover

 Oil X SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Oil well info as follows:

11-27-96

Operator: DONALD C. SLAWSON

Well Name: #1 MCWHIRTER "Z"

Comp. Date 8/22/81 Old Total Depth 4670

 Deepening XXX Re-Perf. X Conv. to Inj SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

10/28/96 11/15/96 11/26/96
 Date of Date Reached TD Completion Date

REENTRY

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 South Market, Room 278, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geological well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the contents herein are complete and correct to the best of my knowledge.

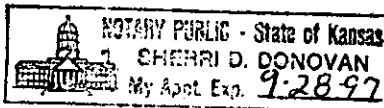
Signature Carol Larson

Title VICE PRESIDENT Date 11/26/96

Subscribed and sworn to before me this 26TH day of NOVEMBER, 1996.

Notary Public Sherri D. Donovan

Date Commission Expires September 28, 1997



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name LARSON OPERATING COMPANY, A DIVISION OF LARSON ENGINEERING, INC. Lease Name MCHWIRTER Well # #1 SWD
 East County LANE
 Sec. 34 Twp. 18S Rge. 29 West

Instructions: Show important tops and base of formation penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken *** (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>CEDAR HILLS</td> <td>1670</td> <td>+1153</td> </tr> <tr> <td>ANHYDRITE</td> <td>2150</td> <td>+673</td> </tr> </table>	Name	Top	Datum	CEDAR HILLS	1670	+1153	ANHYDRITE	2150	+673
Name	Top	Datum								
CEDAR HILLS	1670	+1153								
ANHYDRITE	2150	+673								

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	N/A	371'	N/A	250	N/A
PRODUCTION	7-7/8"	4-1/2"	9.5#	2179'	MIDCON II	375	2% CALSEAL, 1/4#/SK FLOCELE

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	1735-1885'	NONE	

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>1706'</u>	Packer At <u>1706'</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. UPON APPROVAL		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18).

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 1735-1885'

